



Cover: Membrane localisation of an EGFP fusion protein (green) carrying a novel palmitoylation sequence derived from the adaptor protein Gab1 in transfected mouse embryonic stem cells. Nuclei are stained with DAPI (blue). See article by L. Sutherland et al. (jcs.222257).

FIRST PERSON

First person – Yang Li and Chelsea Merkel
jcs229757

First person – Tyler Picariello
jcs229872

First person – Hardeep Gumber
jcs230219

OBITUARY

In memoriam – Ian Moore
Hawes, C.
jcs229666

REVIEWS

Condensins and cohesins – one of these things is not like the other!
Skibbens, R. V.
jcs220491

Influence of the extracellular matrix on cell-intrinsic circadian clocks
Streuli, C. H. and Meng, Q.-J.
jcs207498

RESEARCH ARTICLES

Constitutive IP₃R1-mediated Ca²⁺ release reduces Ca²⁺ store content and stimulates mitochondrial metabolism in mouse GV oocytes
Wakai, T. and Fissore, R. A.
jcs225441

A global analysis of IFT-A function reveals specialization for transport of membrane-associated proteins into cilia
Picariello, T., Brown, J. M., Hou, Y., Swank, G., Cochran, D. A., King, O. D., Lehtreck, K., Pazour, G. J. and Witman, G. B.
jcs220749

Exocyst subunit Sec6 is positioned by microtubule overlaps in the moss phragmoplast prior to cell plate membrane arrival
Tang, H., de Keijzer, J., Overdijk, E. J. R., Sweep, E., Steentjes, M., Vermeer, J. E. M., Janson, M. E. and Ketelaar, T.
jcs222430

Tunneling nanotubes, a novel mode of tumor cell–macrophage communication in tumor cell invasion
Hanna, S. J., McCoy-Simandle, K., Leung, E., Genna, A., Condeelis, J. and Cox, D.
jcs223321

Identification and characterization of genes encoding the nuclear envelope LINC complex in the monocot species *Zea mays*
Gumber, H. K., McKenna, J. F., Estrada, A. L., Tolmie, A. F., Graumann, K. and Bass, H. W.
jcs221390

Tau regulates the microtubule-dependent migration of glioblastoma cells via the Rho-ROCK signaling pathway

Breuzard, G., Pagano, A., Bastonero, S., Malesinski, S., Parat, F., Barbier, P., Peyrot, V. and Kovacic, H.
jcs222851

Comparison of three heterochromatin protein 1 homologs in *Drosophila*

Lee, D. H., Ryu, H. W., Kim, G. W. and Kwon, S. H.
jcs222729

Loss of the deglutamylase CCP5 perturbs multiple steps of spermatogenesis and leads to male infertility

Giordano, T., Gadadhar, S., Bodakuntla, S., Straub, J., Leboucher, S., Martinez, G., Chemlali, W., Bosc, C., Andrieux, A., Bieche, I., Arnoult, C., Geimer, S. and Janke, C.
jcs226951

The integral function of the endocytic recycling compartment is regulated by RFFL-mediated ubiquitylation of Rab11 effectors

Sakai, R., Fukuda, R., Unida, S., Aki, M., Ono, Y., Endo, A., Kusumi, S., Koga, D., Fukushima, T., Komada, M. and Okiyoneda, T.
jcs228007

TIMP-1 promotes hypermigration of *Toxoplasma*-infected primary dendritic cells via CD63–ITGB1–FAK signaling

Ólafsson, E. B., Ross, E. C., Varas-Godoy, M. and Barragan, A.
jcs225193

A SEPT1-based scaffold is required for Golgi integrity and function

Song, K., Gras, C., Capin, G., Gimber, N., Lehmann, M., Mohd, S., Puchkov, D., Rödiger, M., Wilhelmi, I., Daumke, O., Schmoranzler, J., Schürmann, A. and Krauss, M.
jcs225557

GPN does not release lysosomal Ca²⁺ but evokes Ca²⁺ release from the ER by increasing the cytosolic pH independently of cathepsin C

Atakpa, P., van Marrewijk, L. M., Apta-Smith, M., Chakraborty, S. and Taylor, C. W.
jcs223883

TOOLS AND RESOURCES

The N-cadherin interactome in primary cardiomyocytes as defined using quantitative proximity proteomics

Li, Y., Merkel, C. D., Zeng, X., Heier, J. A., Cantrell, P. S., Sun, M., Stolz, D. B., Watkins, S. C., Yates, N. A. and Kwiatkowski, A. V.
jcs221606